

APPARATUS AND METHOD FOR PRINTING MICRO METAL STRUCTURES

Abstract

5 A method and device for printing liquid material such as liquid solder is
provided. C4 structures as small as 10 microns in diameter can be produced using
devices and methods described above. Further, devices and methods provided are
able to operate at temperatures much higher than other print head designs such as
piezoelectric actuated print heads. Additionally, due to the use of a gas flow
10 restricting device and a recharging gas supply, ejection devices as described above
can be used for a substantially extended lifetime, thus making devices and methods
described above more economically desirable.